

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3 Jan 29 FSTA has been reloaded and moves to weekly updates
NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6 Mar 08 Gene Names now available in BIOSIS
NEWS 7 Mar 22 TOXLIT no longer available
NEWS 8 Mar 22 TRCTHERMO no longer available
NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAPLUS and USPATFULL
NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 12 Apr 08 "Ask CAS" for self-help around the clock
NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 14 Apr 09 ZDB will be removed from STN
NEWS 15 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 19 Jun 03 New e-mail delivery for search results now available
NEWS 20 Jun 10 MEDLINE Reload
NEWS 21 Jun 10 PCTFULL has been reloaded
NEWS 22 Jul 02 FOREGE no longer contains STANDARDS file segment

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
 CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
 AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
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=> fil .eliz

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FULL ESTIMATED COST	0.21	0.21

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FILE 'WPIDS' ENTERED AT 18:56:25 ON 03 JUL 2002
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=> s (escherichia or coli)(5a)(nucleotid? or nucleosid?)
L1 17298 (ESCHERICHIA OR COLI) (5A) (NUCLEOTID? OR NUCLEOSID?)

=> l1 (5a)usha
L1 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l1 (5a) usha
L2 3 L1 (5A) USHA

=> s l1 and usha
L3 10 L1 AND USHA

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4 5 DUP REM L3 (5 DUPLICATES REMOVED)

=> d 1-5

L4 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2002 ACS

Full Citing
Text References

AN 2002:31102 HCAPLUS
DN 136:97246
TI Method for producing nucleoside 5'-phosphate ester by fermentation in
strain with **ushA** and aphA gene mutation or disruption
IN Kakehi, Masahiro; Usuda, Yoshihiro; Tabira, Yukiko; Sugimoto, Shinichi
PA Ajinomoto Co., Inc., Japan
SO Eur. Pat. Appl., 17 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI EP 1170370 A2 20020109 EP 2001-114571 20010618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO
BR 2001002671 A 20020305 BR 2001-2671 20010704
CN 1335403 A 20020213 CN 2001-121740 20010705
PRAI JP 2000-204260 A 20000705

L4 ANSWER 2 OF 5 MEDLINE DUPLICATE 1

Full Citing
Text References

AN 2002075490 MEDLINE
DN 21661206 PubMed ID: 11802543
TI The role of the intracellular inhibitor of periplasmic UDP-sugar hydrolase
(5'-nucleotidase) in *Escherichia coli*: cytoplasmic localisation of
5'-nucleotidase is conditionally lethal.
AU Innes D; Beacham I R; Burns D M
CS School of Biomolecular and Biomedical Science, Griffith University,
Nathan, Brisbane, Qld. 4111, Australia.
SO JOURNAL OF BASIC MICROBIOLOGY, (2001) 41 (6) 329-37.
Journal code: 8503885. ISSN: 0233-111X.
CY Germany: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200206
ED Entered STN: 20020125
Last Updated on STN: 20020619
Entered Medline: 20020618

L4 ANSWER 3 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

Full Citing
Text References

AN 2000:387548 BIOSIS
DN PREV200000387548
TI Essential role of the AphA periplasmic acid phosphatase in utilization of
5'-nucleotides by *Escherichia coli* pureK *ushA* *phoA* mutants.
AU Laird, M. W. (1); Passariello, C.; Joly, J. C. (1); Schippa, S.;
Rossolini, G. M.; Thaller, M. C.
CS (1) Department of Cell Culture and Fermentation, R and D Genentech, Inc.,
San Francisco, CA USA
SO Abstracts of the General Meeting of the American Society for Microbiology,
(2000) Vol. 100, pp. 435-436. print.
Meeting Info.: 100th General Meeting of the American Society for
Microbiology Los Angeles, California, USA May 21-25, 2000 American Society
for Microbiology
. ISSN: 1060-2011.
DT Conference
LA English
SL English

L4 ANSWER 4 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

Full Citing
Text References

AN 1991:435892 BIOSIS
DN BA92:92057
TI ISOLATION TRANSCRIPTION AND INACTIVATION OF THE GENE FOR AN ATYPICAL
ALKALINE PHOSPHATASE OF SYNECHOCOCCUS-SP STRAIN PCC 7942.
AU RAY J M; BHAYA D; BLOCK M A; GROSSMAN A R
CS DEP. PLANT BIOL., CARNEGIE INST. WASH., 290 PANAMA ST., STANFORD, CALIF.
94305.
SO J BACTERIOL, (1991) 173 (14), 4297-4309.
CODEN: JOBAAY. ISSN: 0021-9193.
FS BA; OLD
LA English

L4 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2002 ACS

Full Text	Citing References
--------------	----------------------

AN 1986:473474 HCAPLUS
 DN 105:73474
 TI Nucleotide sequence and transcriptional analysis of the E. coli **ushA** gene, encoding periplasmic UDP-sugar hydrolase (5'-nucleotidase): regulation of the **ushA** gene, and the signal sequence of its encoded protein product
 AU Burns, Dennis M.; Beacham, Ifor R.
 CS Sch. Sci., Griffith Univ., Brisbane, 4111, Australia
 SO Nucleic Acids Res. (1986), 14(10), 4325-42
 CODEN: NARHAD; ISSN: 0305-1048
 DT Journal
 LA English

=> d 3 ab

L4 ANSWER 3 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

Citing References

=> s 11 and apha

L5 14 L1 AND APHA

=> dup rem 15

PROCESSING COMPLETED FOR L5

L6 4 DUP REM L5 (10 DUPLICATES REMOVED)

=> d 1-4

L6 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2002 ACS

Full Text	Citing References
--------------	----------------------

AN 2002:31102 HCAPLUS
 DN 136:97246
 TI Method for producing nucleoside 5'-phosphate ester by fermentation in strain with **ushA** and **aphA** gene mutation or disruption
 IN Kakehi, Masahiro; Usuda, Yoshihiro; Tabira, Yukiko; Sugimoto, Shinichi
 PA Ajinomoto Co., Inc., Japan
 SO Eur. Pat. Appl., 17 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1170370	A2	20020109	EP 2001-114571	20010618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2001002671	A	20020305	BR 2001-2671	20010704
CN 1335403	A	20020213	CN 2001-121740	20010705
PRAI JP 2000-204260	A	20000705		

L6 ANSWER 2 OF 4 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

Full Text	Citing References
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AN 2000:387548 BIOSIS
 DN PREV200000387548
 TI Essential role of the **AphA** periplasmic acid phosphatase in utilization of 5'-**nucleotides** by **Escherichia coli** pureK **ushA** **phoA** mutants.
 AU Laird, M. W. (1); Passariello, C.; Joly, J. C. (1); Schippa, S.; Rossolini, G. M.; Thaller, M. C.
 CS (1) Department of Cell Culture and Fermentation, R and D Genentech, Inc.,

San Francisco, CA USA
 SO Abstracts of the General Meeting of the American Society for Microbiology,
 (2000) Vol. 100, pp. 435-436. print.
 Meeting Info.: 100th General Meeting of the American Society for
 Microbiology Los Angeles, California, USA May 21-25, 2000 American Society
 for Microbiology
 . ISSN: 1060-2011.
 DT Conference
 LA English
 SL English

L6 ANSWER 3 OF 4 MEDLINE DUPLICATE 1

Full Citing
 Text References

AN 91033061 MEDLINE
 DN 91033061 PubMed ID: 2227449
 TI Chloramphenicol resistance in *Campylobacter coli*: nucleotide sequence,
 expression, and cloning vector construction.
 AU Wang Y; Taylor D E
 CS Department of Microbiology, University of Alberta, Edmonton, Canada.
 SO GENE, (1990 Sep 28) 94 (1) 23-8.
 Journal code: 7706761. ISSN: 0378-1119.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-M35190
 EM 199012
 ED Entered STN: 19910208
 Last Updated on STN: 19980206
 Entered Medline: 19901226

L6 ANSWER 4 OF 4 LIFESCI COPYRIGHT 2002 CSADUPLICATE 2

Full
 Text

AN 89:67352 LIFESCI
 TI Omegon-Km: A transposable element designed for in vivo insertional
 mutagenesis and cloning of genes in Gram-negative bacteria.
 AU Fellay, R.; Krisch, H.M.; Prentki, P.; Frey, J.
 CS Inst. Vet. Bacteriol., Laenggassstr. 122, CH-3012 Berne, Switzerland
 SO GENE., (1989) vol. 76, no. 2, pp. 215-226.
 DT Journal
 FS J; G; N; W
 LA English
 SL English

=> d 3, 4 kwic

L6 ANSWER 3 OF 4 MEDLINE DUPLICATE 1

Citing
 References

TI Chloramphenicol resistance in *Campylobacter coli*: nucleotide sequence,
 expression, and cloning vector construction.
 AB . . . extension experiments indicated that transcription was initiated
 at different sites in these two species. A kanamycin-resistance
 determinant, identified as the **aphA**-3 gene, was located downstream from
 the cat gene. The codon usage of the cat gene is very different from that.
 . .

L6 ANSWER 4 OF 4 LIFESCI COPYRIGHT 2002 CSADUPLICATE 2

AB . . . the very efficient transcription and translation terminators of
 the Omega interposon. Internally, Omegon-Km carries the selectable
 kanamycin (Km)-neomycin resistance gene (**aphA**) which is expressed well
 in many Gram-negative bacteria. Preliminary experiments with other

Gram-negative soil and water bacteria (Rhizobium leguminosarum, . . .
presence of an E. coli -specific origin of replication (ori) within
Omegon-Km allows the rapid and easy cloning, in E. coli , of the
nucl otide sequences flanking the site of the transposition event.

=> s kamamycin (5a) apha
L7 0 KAMAMYCIN (5A) APHA

=> s kanamycin (5a) apha
L8 170 KANAMYCIN (5A) APHA

=> dup rem 18
PROCESSING COMPLETED FOR L8
L9 39 DUP REM L8 (131 DUPLICATES REMOVED)

=> d 1-10

L9 ANSWER 1 OF 39 MEDLINE DUPLICATE 1

Full Text	Citing References
AN 2001544699	MEDLINE
DN 21475777	PubMed ID: 11591677
TI	Regulation of D-alanyl-lipoteichoic acid biosynthesis in Streptococcus agalactiae involves a novel two-component regulatory system.
AU	Poyart C; Lamy M C; Boumaila C; Fiedler F; Trieu-Cuot P
CS	Laboratoire de Microbiologie, INSERM U-411, Faculte de Medecine Necker-Enfants Malades, 75730 Paris Cedex 15, France.
SO	JOURNAL OF BACTERIOLOGY, (2001 Nov) 183 (21) 6324-34.
	Journal code: 2985120R. ISSN: 0021-9193.
CY	United States
DT	Journal; Article; (JOURNAL ARTICLE)
LA	English
FS	Priority Journals
EM	200112
ED	Entered STN: 20011010
	Last Updated on STN: 20020122
	Entered Medline: 20011204

L9 ANSWER 2 OF 39 WPIDS (C) 2002 THOMSON DERWENT

Full Text	
AN 2000-170924 [15]	WPIDS
DNC C2000-053090	
TI	Identification of agents that inhibit Helicobacter useful for treating or preventing H. pylori infection.
DC	B04 C03 D16
IN	CUSSAC, V; DE REUSE, H; LABIGNE, A; SKOULOUBRIS, S
PA	(INSP) INST PASTEUR
CYC	87
PI	WO 2000000634 A2 20000106 (200015)* EN 40p C12Q001-00
	RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL
	OA PT SD SE SL SZ UG ZW
	W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB
	GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
	LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
	TT UA UG US UZ VN YU ZA ZW
AU 9947795	A 20000117 (200026) C12Q001-00
US 6190667	B1 20010220 (200112) A61K039-02
EP 1092040	A2 20010418 (200123) EN C12Q001-58
	R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
ADT	WO 2000000634 A2 WO 1999-EP4490 19990629; AU 9947795 A AU 1999-47795
	19990629; US 6190667 B1 US 1998-107383 19980630; EP 1092040 A2 EP
	1999-931212 19990629, WO 1999-EP4490 19990629
FDT	AU 9947795 A Based on WO 2000000634; EP 1092040 A2 Based on WO 2000000634

PRAI US 1998-107383 19980630
 IC ICM A61K039-02; C12Q001-00; C12Q001-58
 ICS A61K039-106; C07K014-205; C07K016-12; C12N009-80; C12Q001-18

L9 ANSWER 3 OF 39 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

	Full Text	Citing References
AN	2001:165612	BIOSIS
DN	PREV200100165612	
TI	Identification of Helicobacter mustelae virulence factors by screening of a random insertional mutant library.	
AU	Croinin, T. O. (1); Heerma, S. Brands; Drumm, B. (1); Vandenbroucke-Grauls, C. M. J.; Bourke, B. (1); Kusters, J. G.	
CS	(1) University College Dublin, Dublin Ireland	
SO	Gut, (October, 2000) Vol. 47, No. Supplement 1, pp. A62-A63. print. Meeting Info.: XIIIth International Workshop on Gastroduodenal Pathology and Helicobacter pylori Rome, Italy October 11-14, 2000 ISSN: 0017-5749.	
DT	Conference	
LA	English	
SL	English	

L9 ANSWER 4 OF 39 MEDLINE DUPLICATE 2

	Full Text	Citing References
AN	2000049938	MEDLINE
DN	20049938	PubMed ID: 10582902
TI	Genetic characterization of antimicrobial resistance in Canadian isolates of Salmonella serovar Typhimurium DT104.	
AU	Ng L K; Mulvey M R; Martin I; Peters G A; Johnson W	
CS	Bureau of Microbiology, Laboratory Centre for Disease Control, Health Canada, Winnipeg, Manitoba, Canada.. Lai King Ng@hc-sc.gc.ca	
SO	ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, (1999 Dec) 43 (12) 3018-21. Journal code: 0315061. ISSN: 0066-4804.	
CY	United States	
DT	Journal; Article; (JOURNAL ARTICLE)	
LA	English	
FS	Priority Journals	
EM	200001	
ED	Entered STN: 20000204 Last Updated on STN: 20000204 Entered Medline: 20000121	

L9 ANSWER 5 OF 39 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

	Full Text	Citing References
AN	1999:324498	BIOSIS
DN	PREV199900324498	
TI	Identification of environmentally regulated Helicobacter pylori genes.	
AU	de Vries, Nicolette (1); Kuipers, Ernst J.; Kramer, Naomi E.; Bijlsma, Jetta J. E.; van Vliet, Arnoud H. M.; Vandenbroucke-Grauls, Christina M. J. E.; Kusters, Johannes G.	
CS	(1) Vrije Univsiteit, Amsterdam Netherlands	
SO	Gastroenterology, (April, 1999) Vol. 116, No. 4 PART 2, pp. A347. Meeting Info.: Digestive Disease Week and the 100th Annual Meeting of the American Gastroenterological Association Orlando, Florida, USA May 16-19, 1999 American Gastroenterological Association . ISSN: 0016-5085.	
DT	Conference	
LA	English	

L9 ANSWER 6 OF 39 MEDLINE DUPLICATE 3

	Full Text	Citing References
AN	1999420349	MEDLINE
DN	99420349	PubMed ID: 10489329

TI A rolling-circle miniplasmid of *Xanthomonas campestris* pv. *glycines*: the nucleotide sequence and its use as a cloning vector.
 AU Baldini R L; Tahara S T; Rosato Y B
 CS Institute of Biology and CBMEG, Unicamp, Cidade Universitaria, B. Geraldo, Campinas, SP, 13.083-970, Brazil.
 SO PLASMID, (1999 Sep) 42 (2) 126-33.
 Journal code: 7802221. ISSN: 0147-619X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AF069766
 EM 199911
 ED Entered STN: 20000111
 Last Updated on STN: 20000111
 Entered Medline: 19991118

L9 ANSWER 7 OF 39 MEDLINE DUPLICATE 4

Full Text	Citing References
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AN 1998409723 MEDLINE
 DN 98409723 PubMed ID: 9736555
 TI Detection of Tn917-like sequences within a Tn916-like conjugative transposon (Tn3872) in erythromycin-resistant isolates of *Streptococcus pneumoniae*.
 AU McDougal L K; Tenover F C; Lee L N; Rasheed J K; Patterson J E; Jorgensen J H; LeBlanc D J
 CS Hospital Infections Program, Centers for Disease Control and Prevention, Atlanta, Georgia 30333, USA.
 SO ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, (1998 Sep) 42 (9) 2312-8.
 Journal code: 0315061. ISSN: 0066-4804.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AF066796; GENBANK-AF066797
 EM 199810
 ED Entered STN: 19981029
 Last Updated on STN: 19990129
 Entered Medline: 19981022

L9 ANSWER 8 OF 39 MEDLINE DUPLICATE 5

Full Text	Citing References
-----------	-------------------

AN 1999122371 MEDLINE
 DN 99122371 PubMed ID: 9924983
 TI Increased expression of a hemimethylated *oriC* binding protein, SeqA, in an *aphA* mutant.
 AU Kohiyama M; Bahloul A; Kern R; Meury J; Reshetnyak E; Malki A; Guha S
 CS Biochimie Genetique, Institut Jacques-Monod, CNRS-Universite Paris-VII, France.
 SO BIOCHIMIE, (1998 Dec) 80 (12) 1043-6.
 Journal code: 1264604. ISSN: 0300-9084.
 CY France
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199904
 ED Entered STN: 19990426
 Last Updated on STN: 19990426
 Entered Medline: 19990413

L9 ANSWER 9 OF 39 MEDLINE DUPLICATE 6

Full Text	Citing References
-----------	-------------------

AN 1998223326 MEDLINE

DN 98223326 PubMed ID: 9563837
 TI A stable shuttle vector system for efficient genetic complementation of
 Helicobacter pylori strains by transformation and conjugation.
 AU Heuermann D; Haas R
 CS Max-Planck-Institut fur Biologie, Abteilung Infektionsbiologie, Tübingen,
 Germany.
 SO MOLECULAR AND GENERAL GENETICS, (1998 Mar) 257 (5) 519-28.
 Journal code: 0125036. ISSN: 0026-8925.
 CY GERMANY: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199805
 ED Entered STN: 19980529
 Last Updated on STN: 19980529
 Entered Medline: 19980515

L9 ANSWER 10 OF 39 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI

Full
Text

AN 1998-00507 BIOTECHDS
 TI Recombinant Listeria monocytogenes vaccination eliminates papilloma
 virus-induced tumors and prevents papilloma formation from viral DNA;
 rabbit antitumor recombinant vaccine construction
 AU Jensen E R; Selvakumar R; Shen H; Ahmed R; Wettstein F O; *Miller J F
 CS Univ.California-Inst.Mol.Biol.; Univ.Emory
 LO Department of Microbiology and Immunology, UCLA School of Medicine, 10833
 Le Conte Ave., Los Angeles, CA 90095-1747, USA.
 Email: jfmiller@ucla.edu
 SO J.Virol.; (1997) 71, 11, 8467-74
 CODEN: JOVIAM ISSN: 0022-538X
 DT Journal
 LA English

=> s 18 (5a) coli

L10 15 L8 (5A) COLI

=> dup rem l10

PROCESSING COMPLETED FOR L10

L11 5 DUP REM L10 (10 DUPLICATES REMOVED)

=> d 1-5

L11 ANSWER 1 OF 5 MEDLINE DUPLICATE 1

Full
Text

Citing
References

AN 92368165 MEDLINE
 DN 92368165 PubMed ID: 1503433
 TI Characterization of two plasmids from Campylobacter jejuni isolates that
 carry the aphA-7 kanamycin resistance determinant.
 AU Tenover F C; Fennell C L; Lee L; LeBlanc D J
 CS Seattle Veterans Affairs Medical Center, Washington 98108.
 SO ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, (1992 Apr) 36 (4) 712-6.
 Journal code: 0315061. ISSN: 0066-4804.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199209
 ED Entered STN: 19920925
 Last Updated on STN: 19920925
 Entered Medline: 19920916

L11 ANSWER 2 OF 5 MEDLINE DUPLICATE 2

Full Text	Citing References
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AN 91192614 MEDLINE
 DN 91192614 PubMed ID: 1849496
 TI Gene expression in Deinococcus radiodurans.
 AU Smith M D; Masters C I; Lennon E; McNeil L B; Minton K W
 CS Department of Pathology, F.E. Hebert School of Medicine, Uniformed Services University of the Health Sciences, Bethesda, MD 20814-4799.
 NC GM39933 (NIGMS)
 SO GENE, (1991 Feb 1) 98 (1) 45-52.
 Journal code: 7706761. ISSN: 0378-1119.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199105
 ED Entered STN: 19910602
 Last Updated on STN: 19990129
 Entered Medline: 19910513

L11 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2002 ACS

Full Text	Citing References
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AN 1991:158414 HCAPLUS
 DN 114:158414
 TI Chloramphenicol resistance in Campylobacter coli: nucleotide sequence, expression, and cloning vector construction
 AU Wang, Ying; Taylor, Diane E.
 CS Dep. Microbiol., Univ. Alberta, Edmonton, AB, T6G 2H7, Can.
 SO Gene (1990), 94(1), 23-8
 CODEN: GENED6; ISSN: 0378-1119
 DT Journal
 LA English

L11 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2002 ACS

Full Text	Citing References
-----------	-------------------

AN 1989:206750 HCAPLUS
 DN 110:206750
 TI Genetic characterization of kanamycin resistance in Campylobacter coli
 AU Taylor, D. E.; Yan, W.; Ng, L. K.; Manavathu, E. K.; Courvalin, P.
 CS Dep. Microbiol., Univ. Alberta, Edmonton, AB, T6G 2H7, Can.
 SO Ann. Inst. Pasteur/Microbiol. (1988), 139(6), 665-76
 CODEN: AIPME3; ISSN: 0769-2609
 DT Journal
 LA English

L11 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2002 ACS

Full Text	Citing References
-----------	-------------------

AN 1985:216277 HCAPLUS
 DN 102:216277
 TI DNA sequences specifying the transcription of the streptococcal kanamycin resistance gene in Escherichia coli and Bacillus subtilis
 AU Trieu-Cuot, Patrick; Klier, Andre; Courvalin, Patrice
 CS Lab. Biochim. Microb., Inst. Pasteur, Paris, F-75724, Fr.
 SO MGG, Mol. Gen. Genet. (1985), 198(2), 348-52
 CODEN: MGGEAE; ISSN: 0026-8925
 DT Journal
 LA English

=> d 5 ab

L11 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2002 ACS

Citing
References

AB The kanamycin [8063-07-8]-resistance gene aphA of the streptococcal plasmid pJH1 was cloned into a shuttle vector. Full expression of aphA was obtained in E. coli and B. subtilis. The starting point for aphA transcription, as detd. by S1 nuclease mapping, was located 340 base pairs upstream from the ATG translational initiator codon. The sequence of the promoter consists of the hexanucleotides TTGACA and TATCTT, with a spacing of 17 base pairs. The stability profile of a 600-base-pair DNA fragment contg. the aphA promoter and the translational initiation site indicated that, as already reported for E. coli, both structures are located in domains of weak stability.

=> d 5 ab

L11 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2002 ACS

Citing
References

AB The kanamycin [8063-07-8]-resistance gene aphA of the streptococcal plasmid pJH1 was cloned into a shuttle vector. Full expression of aphA was obtained in E. coli and B. subtilis. The starting point for aphA transcription, as detd. by S1 nuclease mapping, was located 340 base pairs upstream from the ATG translational initiator codon. The sequence of the promoter consists of the hexanucleotides TTGACA and TATCTT, with a spacing of 17 base pairs. The stability profile of a 600-base-pair DNA fragment contg. the aphA promoter and the translational initiation site indicated that, as already reported for E. coli, both structures are located in domains of weak stability.

=> s l1 and usha and apha

L12 2 L1 AND USHA AND APHA

=> dup rem l12

PROCESSING COMPLETED FOR L12

L13 2 DUP REM L12 (0 DUPLICATES REMOVED)

=> d 1,2

L13 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2002 ACS

Full
Text Citing
References

AN 2002:31102 HCAPLUS
DN 136:97246
TI Method for producing nucleoside 5'-phosphate ester by fermentation in strain with **ushA** and **aphA** gene mutation or disruption
IN Kakehi, Masahiro; Usuda, Yoshihiro; Tabira, Yukiko; Sugimoto, Shinichi
PA Ajinomoto Co., Inc., Japan
SO Eur. Pat. Appl., 17 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1170370	A2	20020109	EP 2001-114571	20010618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2001002671	A	20020305	BR 2001-2671	20010704
CN 1335403	A	20020213	CN 2001-121740	20010705
PRAI JP 2000-204260	A	20000705		

L13 ANSWER 2 OF 2 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

Full
Text Citing
References

AN 2000:387548 BIOSIS
 DN PREV200000387548
 TI Essential role of the **AphA** periplasmic acid phosphatase in utilization
 of 5'-**nucleotides** by **Escherichia coli** pureK **ushA** phoA mutants.
 AU Laird, M. W. (1); Passariello, C.; Joly, J. C. (1); Schippa, S.;
 Rossolini, G. M.; Thaller, M. C.
 CS (1) Department of Cell Culture and Fermentation, R and D Genentech, Inc.,
 San Francisco, CA USA
 SO Abstracts of the General Meeting of the American Society for Microbiology,
 (2000) Vol. 100, pp. 435-436. print.
 Meeting Info.: 100th General Meeting of the American Society for
 Microbiology Los Angeles, California, USA May 21-25, 2000 American Society
 for Microbiology
 . ISSN: 1060-2011.
 DT Conference
 LA English
 SL English

=> dis his

(FILE 'HOME' ENTERED AT 18:56:07 ON 03 JUL 2002)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
 NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 18:56:25 ON 03 JUL 2002

L1 17298 S (ESCHERICHIA OR COLI) (5A) (NUCLEOTID? OR NUCLEOSID?)
 L2 3 S L1 (5A) USHA
 L3 10 S L1 AND USHA
 L4 5 DUP REM L3 (5 DUPLICATES REMOVED)
 L5 14 S L1 AND APHA
 L6 4 DUP REM L5 (10 DUPLICATES REMOVED)
 L7 0 S KANAMYCIN (5A) APHA
 L8 170 S KANAMYCIN (5A) APHA
 L9 39 DUP REM L8 (131 DUPLICATES REMOVED)
 L10 15 S L8 (5A) COLI
 L11 5 DUP REM L10 (10 DUPLICATES REMOVED)
 L12 2 S L1 AND USHA AND APHA
 L13 2 DUP REM L12 (0 DUPLICATES REMOVED)

=> log h

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.24	-1.24

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 STN INTERNATIONAL SESSION SUSPENDED AT 19:12:36 ON 03 JUL 2002